

OSCILLATOR

Oregon Tualatin Valley Amateur Radio Club (Est. 1978)

May 1997

THE PREZ SAYS

By Betty, N7REX

May is the month to honor mothers, so I am requesting that each of us think about who we can invite to the meeting. It can be your mother, the mother of your kids, the mother of your grandkids, the person who mothers you or any other mom-type person you can think of. Let's try to double our attendance to 100 this month with many honored guests. Remember also that the Elks Lodge serves dinner from 6:00 o'clock until meeting time, so the 'mom' of your choice wouldn't even have to cook.

This month is family photo month for the picture wall. The most recent professional family photo we have of our entire family (Chuck and I, both kids, and their spouses) was taken at our son's wedding, so that is the one we will be bringing in. You don't have to be so formal of course - any family picture will do. It would be nice if it was of 'your' family the one that came with the frame is probably out.

Speaking of the picture wall, the presidents question this month will be a show of hand vote for keeping the picture themes or chalking it up as a 'once tried grand experiment whose time has come to an end.' The participation in this activity hasn't grown as I had hoped, but those pictures that have come in have been well received and a great way of getting better acquainted with our members.

Another question will be whether the President's question of the month is a keeper or not. It takes a lot of time, but I enjoy the responses and also getting to know more about each other. So please be thinking about whether you would like to have these activities continue or not.

Another issue that I would like some guidance from the general membership about, is the

issue of fiscal responsibility. The club has money in a couple of CD's at the bank, so if we are over budget, it isn't a crisis but the board feels compelled to be good stewards of our resources. To that end we have been struggling really hard to create a balanced budget (wouldn't it be nice if our government would do the same). How important is it to the general membership that this year's budget not be in the red?

How important is it that we continue to offer a scholarship? How important is it that we have a nice 'hosted' holiday party? Are you in favor of looking into an endowment fund for supporting the scholarship? Are you willing to see club dues increased to cover more than the cost of the newsletter? Should the club continue to pursue getting 501 C3 tax status? It may mean changing our articles of incorporation, are you OK with that? Please give some thought to these and other budget issues and get your ideas to your board members. It would greatly help us in the tasks at hand.

There are many opportunities coming up for you to get involved in service to the club or to the public at large. There is a list by Chuck

(Continued on Page 2)

NEXT MEETING

Wednesday, May 14TH

This will be an enjoyable and interesting program on Outdoor-Wireless and Garden Model Railroad.

Don Boulware will set an engine on tracks, on a table, and demo the Radio Control system.



(Continued from Page 1) elsewhere in this paper, please check it out. then give a call to the contact person to volunteer. No prior experience is necessary. It is on the job training. Since I'm listed as the contact person for several of the events that Chuck and I are the 'hams-in-charge', I hope to hear from some of you soon.

June is Father's Day and Sea*Pac month, so the picture wall will be Sea*Pac pictures from previous years (of seminars, the convention center, the planning, the setting up, the camaraderie at local hotels or camp sites, the banquet, etc.). Find your best pictures to share - depending on the vote in May it may be our last picture wall display. Bring a 'father' to the meeting. It could be your dad, the father of your children, the father of your grandchildren, etc. The meeting will be just days before Sea*Pac and Father's Day. Tentatively the meeting is planned to be about the convention. We might even get a pre-view of the program schedule.

Hope to see you at the meetings. 73, Betty



FIELD DAY UPDATE

By Carl, WS7L

Field Day this year is on June 28 and 29, 1997. We are planning on Bald Peak State Park as the site, but final approval has not yet been granted by the State. There are some good alternatives if we don't get approved. Final site information will be in the June Oscillator.

I always like to lead in with a little background information for those who haven't been to Field Day before, so you old hands can skip a paragraph or two here that you've probably read before.

Field Day is an annual event sponsored by the ARRL, held on the fourth full weekend of June. Operation is from 1800 UTC (11:00 local time) Saturday to 1800 UTC Sunday. We set up our stations under field conditions and for 24 hours make as many contacts as possible. This sharpens our skills at setting up and communicating under conditions typical of an emergency situation - we're outside and away from our 110V AC power, workshops, and antenna farms.

We've learned again in recent years how important it is to be prepared for emergency operation, and Field Day is a valuable exercise in getting communications up and running quickly. Plus, it's fun. It's a good chance to just hang around and get to know your fellow club members. There is always a good dinner on Saturday night and lots of visiting and camaraderie.

Field Day serves also as a friendly way to get a taste of HF contest operation. I recommend it especially to newer licensees who have not yet had the opportunity to get on the air on HF. We work stations all over the US and Canada, and beyond.

Remember, even those without HF privileges can participate, since we will have appropriate control operators on duty at all times. We will have three HF stations on the air: Phone, CW and Novice/Tech, all powered by battery. Packet, satellite, and VHF/UHF

stations might also be featured.

Now the usual stuff. We need to scrounge up enough goodies to make the whole thing happen. We'll have the OTVARC trailer with its HF rig and antennas. Also, OTVARC has a complete set of antennas for the Novice/Tech station and several deep-cycle batteries.

Radio stuff. In addition to OTVARC's HF rig and antennas, we need two additional 12-volt HF transceivers with associated keyers, microphones, antenna tuners, etc. We also need antennas for the CW station, and an extra 12V deep-cycle battery or two would be a plus.

Coleman lanterns or 12 volt lights. While the trailer has 12V lights for night operation, the other stations will need these.

Tents, etc. We will operate one or two stations from tents. Heavy canvas tents are preferable because of their durability, but with due care we can make use of nylon tents as well. I have one large canvas tent - at least one more will be needed. We will also want some canopies for shade and shelter.

Tables and chairs. At least two folding tables or desks and four to six chairs for the stations. Additional tables and chairs for the dinner might be useful.

Novice/Tech trustee. The Novice/Tech station needs to use someone's call sign. If you're a Novice, or Tech with HF, and have always wanted to hear your call sign coming back from lots of contacts, this is for you.

Control operators. We need to have enough Extra/Advanced and Novice/Tech-Plus operators on site to ensure that all three stations can operate with full privileges around the clock.

Generators. A small, quiet generator sufficient to power a coffee urn or two would be ideal. All radios can run just fine from batteries, but coffee seems to be a 110V thing. The upside of this is that we will get a couple hundred points for operating free of commercial power mains.

Solar or other alternate power. I would like to go for some extra points by making some contacts using alternate power. This can include batteries charged by solar cells or other "alternative" means.

If you can help with any of these items, or if you want more information, please give me a call at 629-5796. I plan to see you there June 28 and 29!



Have A Great Memorial Day

This holiday always seems to signal the start of the summer season.

UPDATE ON AEA PRODUCTS

By W7OTV

In last months newsletter we noted that Tempo Research and Timewave Technology had purchased various product lines of Advanced Electronic Applications. I now have further contact information. Timewave e-mail: dsp@timewave.com



VOLUNTEER OPPORTUNITIES FOR 1997

By Chuck, K17CL

If you can help on any of these events, please get in touch with the noted contact person.

Reach the Beach (American Lung Association)	Sat May 17
Chris Black N7MWL	697-3076
Rose Festival Grand Floral Parade	Sat Jun 7
Barry Carlson WB7WTD	245-8279
Sea-Pac (OTVARC)	Fri Jun 13 to Sun Jun 15
Security- George Bates KC7LOP	649-2907
Flea Mkt- Lynn Hurd WB7UNU	624-1999
Ladies-Joan Schouweiler N7LMK	690-0357
Others- Randy Stimpson KZ7T	297-1175
River City Distance Classic (CARES)	Sun Jun 29
Bryan Daum N1AHD	636-1795
Summit to Surf (American Diabetes Ass.)	Sat Jul 26
Betty Mickley N7REX	642-1284
MS 150 (Multiple Sclerosis Society)	Sat & Sun Aug 2-3
Randy Stimson KZ7T	297-1175
Pedal the Bridges	Sun Aug 10
Randy Stimson KZ7T	297-1175
Cycle Oregon	Sun Sept 7 thru Sun Sep 14
Randy Stimson KZ7T	297-1175
Walk for the Cure (Juvenile Diabetes Fndtion)	Sun Sep 14
Betty Mickley N7REX	642-1284
Amateur Radio Public Awareness Day	Sat Sep 20
<i>We need your ideas, contact a board member</i>	
Portland Marathon (PARC)	Sun Sept 28
Hugh Ellsworth KB7LJV	653-1993
Walktoberfest (American Diabetes Ass.)	Sat Oct 4
Betty Mickley N7REX	642-1284

Jamboree On The Air (Boy Scouts) Sat & Sun Oct 18-19
WE NEED A VOLUNTEER LEADER

Santa Claus Parade (Downtown PDX merchants) Fri Nov 28
Jim Schaeffer KB7ADH 245-2518



TWO RIVERS YL NET

By W7OTV

Marti Brutcher, N6XDS, President of the *YOUNG LADIES RADIO LEAGUE* (YLRL), announced at the March General Meeting that a weekly YL two meter net on 147.24 MHz is being held from 8:30 to 9:30 PM on Wednesdays. All YLs are invited to check in and participate.

The net also sponsors a monthly meeting at a member's home for a pot luck.

Marti can be contacted at (503) 684-YLRL or on packet at: N6XDS@K7IQL#NWOR.OR.USA.NOAM



WOW, WHAT WILL THEY DISCOVER NEXT?

From Wall St. Journal, 2FEB97

CONCRETE THAT CONDUCTS ELECTRICITY!

Scientists at the Canadian Institute for Research in Construction are marketing an invention which makes concrete an electricity conductor by injecting conductive materials into the concrete mix. This concrete can be used to heat houses and keep driveways and bridge decks free of ice and snow in the winter.

The first use will be in the Toronto region as a ground for lightning-prone electricity transmission towers. The conductive concrete would absorb and dissipate the energy from a lightning strike.

(Ed. - OK you antenna guys, get busy and get the info so we can design some feed-lines for our concrete driveways, basements, pads under manufactured houses, foundations, patios or even a concrete floor with an All Metal storage barn built on it.



Is this the *ULTIMATE* NVIS (Near Vertical Incident Skywave) antenna material? Just think - no more climbing trees or towers, or irritating the neighbors with metal in the air.....)



EYEBALL TO EYEBALL QSO

By Willy N7DZR and Lynda, KB7IGO

It's an EYEBALL TO EYEBALL QSO AT Elmer's Restaurant in Hillsboro, Oregon. Yes, every Thursday some of the finest people in the world meet for lunch at that fine establishment. This lunch even has an official name: it's called THE THURSDAY BUNCH FOR LUNCH! Thursday because it's always every Thursday, excluding of course, Thursdays like Thanksgiving. Bunch because it's a bunch of hams and their wives and friends. Lunch because good food is served at lunch time.

This lunch has a running record of over fifteen years, bringing together Hams from near and far. In the beginning, there were mostly two amateur radio clubs involved, OTVARC and TERAC, but other guests were always welcomed. Now, more amateur radio clubs are represented, as well as special interest groups.

Besides ordinary conversation and chit-chat, discussions about ham radio are abounding, both technical and non-technical. In addition, many of the world's problems are continually solved. We are expecting Hillary to drop in any time to seek our assistance. We will certainly not shun our American duty, but only the Nation's problems - not her's and Bill's.

If you are a local ham, please join us - no reservation is required. For those of you out-of-towners and world travelers, when you are near Hillsboro, please drop in. And those of you who work in the area, lunch hours couldn't be spent in better company.

Elmer's is located on Adams, between Baseline and Oak, the main West and East one-way highways through Hillsboro. Once you enter the main doorway, turn left and continue to the back into our PRIVATE dining area.



NEW MEMBER

By W7OTV

Please welcome Patrick Colton, KC7TOA, to OTVARC. Patrick lives in NW Portland. Help Patrick get involved and become familiar with the many opportunities provided by our club.



BORSCH ELECTRONICS

Communications Servicing

9935 S.W. Johnson St.
Tigard, OR 97223

Joe Borsch W7PNS

(503) 684-5201

FOOD! FOOD! FOOD!

By Geno, KA7KBH

For our regular monthly social get-together we will have our luncheon at the Washington Square *Fuddrucker's* on Saturday May 31st, at 1:30 in the afternoon. The restaurant is located at 10100 SW Washington Square Road (that's the south entrance road into Washington Square).



Fuddrucker's is a unique experience because you can make your own burger from 3,000,000 condiments, and the food is really good. They also have take out cookies and pastries.

The people who are attending these get-togethers are having fun and we hope to see more of you out as the summer progresses.

73 Geno



NEED SOME EXCITEMENT IN YOUR LIFE?

By W7OTV

The OREGON TRAIL PRO RALLY needs volunteers to help with communications during the running of the rally in the hills west of Forest Grove. Various types of vehicles, many specially modified, will be out tearing up the logging roads on Saturday, June 7, 1997.

This is a timed event, with organized routes and checkpoints, and for safety reasons, requires keeping track of the vehicles and their locations. Ham radio volunteers will be communicating from checkpoint to checkpoint with safety information and vehicle status so that the participants will have appropriate margins of safety to "do their thing."

Shifts can be arranged for some areas.

Any interested amateurs should call Tony Dienstel, KC7TWU, at (503) 286-8566 for information or to sign up to help.



ROHN Towers

- *New 25 and 45 in stock locally*
- *Gin Pole available for customer use*
- *prices competitive with mail order*

Stan Griffiths, W7NI

W7NI@teleport.com

Internet:

EVERGREEN INTERTIE AUTOPATCH

From WORC newsletter

The Evergreen Intertie System™ is a collection of 22 (and growing) linked repeaters throughout the Northwest. Users may select which repeater/area they want to link to, using the "Touch Tone"© (DTMF) buttons on the front of their hand held, or on their mic. In general, repeaters which make up the system can be operated independently, or they can be switched onto common communications trunks (or party lines).

A repeater that is switched onto a trunk line can communicate with any other repeater that has been switched onto the same trunk. Right now there are three trunks which may be connected to each other. Autopatch privileges are available that cover the Portland metro area.

Requests for an application or further information can be sent to:

Western Oregon Radio Club, Inc.

Post Office Box 2259

Beaverton, OR 97075

E-mail - Frankh@lloydio.com

Home Page - www.lloydio.com/evergreen.html

Packet - KJ7IY@K7IQI.ORG (Ron Polluconi)

WB7DZG@K7IQI.ORG (Frank Hoffman)

Phone - (503) 641-3702 (Frank Hoffman)

AREAS COVERED

Portland, OR 145.270-
Portland, OR 443.150+
Salem, OR 145.330-
Kalama, WA 442.825+PL 136.5
Olympia, WA 145.470-
Ocean Shores, WA 146.900-
Seattle, WA 145.330-PL 179.9
Seattle, WA 224.340-PL 110.9
Seattle, WA 444.650+PL 131.8
Mount Brenton, BC 146.680-
Naneum, WA 147.260+
Spokane, WA 147.380+
Pullman, WA 146.740-
Walla Walla, WA 147.280+
Lookout Pass, WA/ID 147.020+
Billings, MT 147.200+
Bozeman, MT 147.380+
Gray Cliff, MT 147.280+

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Portland, OR 145.270-
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Pullman, WA 146.740-
Walla Walla, WA 147.280+
Lookout Pass, WA/ID 147.020+
Billings, MT 147.200+
Bozeman, MT 147.380+
Gray Cliff, MT 147.280+

UNDERSTANDING THE TWO-METER BAND PLAN

By Mark, KG7CX
From CCARC newsletter

Many of you have recently started using VHF, but haven't checked around and found out what kind of modes and activities are possible (allowed) in this band. The following information, taken from the ARRL Operating Manual, explains how the different modes and operations are set up.

"Band Plan" is a term you may encounter during your sojourns in the world of repeaters. It refers to an agreement among concerned VHF/UHF operators as to how each VHF and UHF Amateur Radio band should be utilized.

The goal of a band plan is to systematically minimize interference between the various modes sharing each band. Besides FM repeaters and simplex activity, you can find CW, SSB, AM, OSCAR, and Radio Control operations, among others on these bands.

Most of you who use FM, or plan on using FM, will probably be using 2-meters, so a description of the 2-meter band plan will be useful. The band is divided for various modes according to the following proposal by the ARRL VHF-UHF Advisory Committee:

Frequency In MHz	Operation
144.00 --- 144.05	EME(CW)
144.05 --- 144.06	Propagation Beacons
144.06 --- 144.10	General CW and weak signals
144.10 --- 144.20	EME and weak signal SSB
144.20	National calling frequency SSB
144.20 --- 144.30	General SSB operation
144.30 --- 144.50	New Oscar sub-band
144.50 --- 144.60	Linear Translator inputs
144.60 --- 144.90	FM repeater inputs(local option)
144.90 --- 145.10	Weak signal and FM simplex
145.10 --- 145.20	Linear Translator outputs
145.20 --- 145.50	New Oscar sub-band
145.50 --- 145.80	Miscellaneous and experimental
145.80 --- 146.00	OSCAR sub-band
146.01 --- 146.37	Repeater inputs(local option)
146.40 --- 146.58	Simplex
146.61 --- 147.39	Repeater inputs(local option)
147.42 --- 147.57	Simplex
147.60 --- 147.99	Repeater inputs(local option)

The frequencies 145.01, .03, .05, .07 and .09 MHz are widely used for packet radio and have been established as packet channels by a number of frequency coordinators. In some cases, local conditions may dictate variations from the national band plan. In these cases, the written determination of the regional frequency coordinating body shall prevail and be considered good amateur operating practice in that region.

(Continued on page 6)

When sending in your application, be sure and include a size 10 self addressed, stamped envelope, (SASE) with two stamps, so that the Intertie codes and maps may be sent to you.

(Continued from Page 5)

In the 144.51-144.49 MHz range, the spacing between the repeater channels is 20 KHz. The first input frequency is 144.51 MHz and the next is 144.53 MHz ($144.51 \text{ MHz} + 20 \text{ KHz} = 144.53 \text{ MHz}$).

In the 146.01-147.99 MHz range, frequency spacing is either 20 or 30 KHz, depending on local policies.

Also, in those areas that utilize the 30 KHz spacing plan, some repeaters will be set up on "splinter" frequencies (15 KHz spacing), or between two repeater frequencies. For example, spacing would normally place repeater inputs on 146.01 and 146.04 MHz, but an additional repeater input can be established on 146.025 MHz.

According to the above band plan, the spacing between each repeater **input and output** is 600 KHz. For example, the input frequency of 146.34 MHz has an output frequency of 146.94 MHz ($146.34 + .600 = 146.94 \text{ MHz}$).

The simplex frequencies between 144.90 and 145.10 MHz are currently being used for packet operation, while those between 145.40 and 146.60, and between 147.40 and 147.60 MHz, are used for voice simplex operation. (note - selected frequencies between 146.40 and 146.60 and 147.40 and 147.60 MHz may also be used for repeater input or output)

A common variation to the band plan is the reversal of the input and output frequencies of those repeaters operating on splinter frequencies, such as 146.625 and 146.315 (not 146.85 and 147.15) MHz. The purpose of this reversal is to reduce co-channel interference.

Under this band plan, repeater pairs on 146 MHz (i.e. 146.01/61) will normally have a low input/high output. Conversely, repeater pairs on 147 MHz (i.e. 147.81/21) will normally have a high input/low output.



AREA HAM FAIRS & SWAPMEETS

By W7OTV

This is a short list of close-in ham fairs. The April issue has a complete listing up through October.

- May 10 -Snake River ARC, Caldwell, ID
- May 10 -Stanwood-Camano Is. Hamfest, Stanwood, WA
- May 10 -Portland ARC Fleamarket, Wash. Cnty Fairgrounds
- May 17-18 -Yakima Hamfest, Selah, WA
- May 30-June 1 -Wenatchee, WA Hamfest
- June 7 -Kootenai Hamfest, Rathdrum, ID
- Junw 13-15 -NW Div.Convention, Seaside, OR



MOTORCYCLE MOBILE!

By Scott, KB8PRS

Ever since becoming licensed, Frances (KB8PRL) and I have had radios hooked up in our cars. In fact, it is quite disconcerting to be in a car without a radio now. Those of you who have radios in the car and have become accustomed to them will no doubt know what I mean. Luckily it is a difficulty that is fairly easily overcome. We are, like many Hams, ever ready with portable cigarette lighter power cords and mag-mount antennas for those times we are not in our own car.

The problem is that we don't always drive our cars. Frances and I are avid motorcyclists and would much rather be on the bike's than in the car. In fact, I put 23,000 miles on my bike last year and only 3,000 miles on my truck. OK, I only bought the truck in May, but you get the point. The cigarette lighter plug and mag-mount antenna set up did relatively little to ease the feeling of being without a radio on the bikes; it just was not a feasible set up. For a while I just carried an HT in the side bag (saddle bag), but I soon began to want to talk and listen while riding and went about working on such a setup.

I knew that many Goldwing and other "full dress" riders often had CB's combined with their intercom system so I did not think converting one of these set-ups to Ham use would be that difficult. What I found out was that those who make both the portable and permanent mount CB/Intercom system required you to buy their CB's which included intensive modifications to popular CB units including extensive modification to the price. One company even goes so far as building all of the intercom circuitry inside the CB. Every inquiry I made to any of these companies about modifying their system to use a Ham transceiver, was met with complete denial that it could be done. I was on my own.

Since I have been motorcycling as long as I have been riding a bicycle and had my motorcycle license the day I turned 16, I have had lots of experience with the different "intercom" transmitters out there. I have played with the Radio Shack 49MHz VOX and PTT radios with the "in-the-ear" microphone, and played with the "Ninety-Nine Dollar" intercoms advertised in all the bike magazines. These units all had one thing in common, none of them worked. Some not at all, and some only marginally. And none of them were designed to have a Ham transceiver connected to them.

I started asking questions on some of the Packet News Groups and even inquired with a group called MARC (Motorcycle Amateur Radio Club) based in California, all with little success. What I did get started on was a portable intercom system used by pilots of small planes to talk to passengers as well as to connect to their radios. It sounded wonderful, but again, never worked. I could never find mics with the right impedance, speakers with the right resistance etc. etc. The most I could get out of this thing was a mono op-amp to sort of give me some music in the helmet some the time. It just did not look like it would ever work.

—TO BE CONTINUED NEXT ISSUE—

"REACH THE BEACH"

By W7OTV

Chris Black, N7MWL, announced the upcoming annual American Lung Association bicycle tour at our April meeting. It is billed as *A Clean Air Bicycle Challenge* and is organized to help raise funds for Lung Research and services in Oregon.

Chris was asking for volunteers to help with communications on the ride which ends in Pacific City. Riders have a choice of four routes: Portland start which is 103 miles; Salem start which is 77 miles; or Amity start which is 55 miles. A shorter, but rougher, Mountain Bike route is 35 miles long.

The ride is planned for May 17th, with a start time of 6:30AM. Contact Chris at 697-3076 for more information on helping out.

Want to ride? Call (503) 246-1997 or 1-800-LUNG-USA



MARCH BOARD MEETING

By Sexy, Dale W7FBP

Abbreviated Minutes of the 3-26-97 Board Meeting

1. Attendees were Betty Mickley, Jim Schaeffer, Hanford Van Ness, Dale LeBarron, Jack Smithson, Will Sheffield, Janet Bell, Al Berg, Stan Griffiths and Chuck Mickley.

2. Jim confirmed that Carl Clawson, WS7L, will be the April meeting speaker. The May meeting program is not yet tied down.

3. Board voted on a new policy to limit the sending of flowers or donations to a member or family, when a family suffers a family member loss or a hospital stay. This will cover first level relatives (spouse, children, parents) of current members. Cost will be no more than \$30.00. Betty will contact Mary Berg, our Health and Welfare Committee Chairman with this information. OTVARC will only pay for bills originating with Betty or Mary.

4. Janet reported on the upcoming *Portland Regional Amateur Picnic* on September 13th. KB7KBH, Geno, was elected as head of the regional picnic planning committee.

5. Van distributed a P&L Budget Comparison workup for '97. Much discussion followed. New tentative budget will be discussed at next Board Meeting.

6. Field Day sites were discussed. Board selected Bald Peak State Park as site. Betty will present the site selection to members at the next General Meeting.

Scholarship Endowment Fund setup was discussed. Discussion on this will continue.



WEATHER SERVICE AMATEUR RADIO PACKET BBS

By Chris Hunt, KK6KX

Meteorologist, Amateur Radio Focal Point

The National Weather Service in Portland, Oregon is pleased to announce they now have a fully operational Amateur Radio Packet BBS. The BBS operates 24 hours a day on 145.07 MHz, under the call sign N7WAP, alias NWSPDX. It also serves as a node for the packet network with the alias NWS.

The BBS provides two functions. First, it allows Amateur Radio Operators to view a variety of NWS products including short and long term forecasts for Oregon and Washington, marine forecasts, weather discussions, hourly observations, winter weather statements, river information, and flood statements (when issued). In addition, it provides a means by which trained weather spotters can send spotter reports via packet to the NWS. Incoming messages are automatically transferred from the packet station to our mainframe system (AFOS) and are displayed on screen for our forecasters to view.

For our Amateur Radio Weather Spotters who have undergone spotter training, you will be receiving a packet of information on how to use the system. Information is also provided online by entering an "I" at the command prompt.

If you are part of an Amateur Radio Club active in packet and would like to receive spotter training, let us know. We will be more than happy to come to your club and provide training.

The NWS is looking forward to putting NWSPDX Packet BBS into service. It is believed that the Amateur Radio Community will provide beneficial weather information vital for the protection of life and property. Your comments, questions and suggestions are welcome.

Remember to listen to N.O.A.A. weather radio where available for the most up-to-date weather forecasts and information

NOAA WX RADIO FREQUENCIES

<u>162.400</u>	<u>162.475</u>	<u>162.550</u>
Astoria	Salem	Brookings
Eugene	Bend/Redmond	Roseburg
Medford		Klamath Falls
Pendleton		Newport
Coos Bay		Portland/Estacada



REMEMBER to mark your calendar for SeaPac!! It is a week later this year!!

It's the second weekend — June 13, 14 and 15 — see you there.....

OTVARC IS A SPECIAL SERVICE CLUB

By W7OTV

PART THREE OF THREE

This is the final section of the 1997 OTVARC Special Service Club renewal request submitted by Betty Mickley to the ARRL in January. Previous sections were in the February and April issues of the *OSCILLATOR*. We think you will agree that it has been an impressive list of community/member activities. It shows that any/all members have a large group of activities from which to choose.

E. Operating Activities

Purpose: Participate actively as a club in one or more major operating support activities to ensure that our club maintains a high level of operating skills.

We do and will continue to:

Participate actively and fully in Field Day
Sponsor the 5th Wednesday 2M FM Simplex Contest
Have high level of participation in local NETS
Participate with local ARES groups in SETs.
Provide a pool of experienced Hams for real emergencies
i.e. the wind storm of 1995, the flooding of 1996
New year's flood of 1997
Support the 146.90 and 440.35 repeaters
Maintain and use the club call for activities

We also plan to:

Host a Scout Troop for the national *Jamboree on the Air*
Provide Ham Radio experience in schools

F. Miscellaneous activities

Purpose: Every active club has its special interests and activities that make it unique, that give it special personality.

We do and will continue to:

Have liaison with local governments
Maintain a permanent club address published in
Club newsletter
Club brochure
ARRL Repeater Directory
WWW.EASYSTREET.COM/OTVARC
Designate an official club historian, WB7SIC
Participate in Field Day Activities
Publish monthly Club Newsletter
Pursue coverage of Amateur Radio in local media
Hold monthly general membership meetings
Chronicle OTVARC's history
Provide Technical Assistance to others when asked
Produce and distribute a Club brochure
Continue monthly OTVARC travelers' activities
Disseminate ARRL updates regularly, W7AGQ
Sponsor project night several times per year
Ensure Representation at League Official Meetings
via Vice Director, W7AGQ & ARRL Section Manager, KZ7T
Exchange newsletters with other local clubs
Provide ARRL with a booth at SEA*PAC Ham Convention

We also plan to:

Sponsor an academic scholarship
Conduct School / youth group presentations
Host a scout troop for the national *Jamboree-on-the-Air*
Nominate people for ARRL Awards
Send newsletter to ACC and ARRL HQ.
Submit more press releases and articles
& available at HRO and HRE
Update Club Brochure as needed, KI7CL

•Buy •Sell •Trade

HAM RADIO EQUIPMENT

<http://www.teleport.com/~hre/>

JOSEPH REAVES

N6FRA

Amateur Radio Dealer

Estate Appraisals

(503) 598-4736

RADIO EQUIPMENT STORE CLOSED

By W7OTV

The Tigard *HAM RADIO STORE* recently closed after a last big going away sale on Saturday, April 12th. Joe Reeves, N6FRA, the proprietor, is still in business selling quality used, Amateur Radio Equipment, and is maintaining the same telephone number and web address. He continues to buy, trade or otherwise find a good home for that clean gear you no longer can use. A new display location will soon reveal itself, says Joe. Check his ad on this page.

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Dale Wert

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Banks, Oregon 97100

THIS SCHEDULE IS TENTATIVE!!

SEAPAC '97 SEMINAR SPREADSHEET TENTATIVE 7 APRIL, 1997

		RIVERVIEW			SEASIDE		
		A	B	C	A	B	C
F R I	12 Noon to 6:00 PM				<1> Technical Workshop:		
					AMSAT		
S A T U	9:30 AM	<2> Radio Fundamentals W. Irwin W1KI	<3> Short Antennas for the Low Bands Rudy Severns N6LF		<4> Change Lic. Struct?	<5> Intro to Packet K. Wilhelmi N7QQU	<6> ARES & Emerg. Comm A. Vandewrkr KE6HML
	11 AM	V	<7> Computer Aided Antenna Design Roy Lewallen W7EL		<8> Int'l Fox Hunting P. Creighton VE7WWP	<9> Advanced Packet S. Stroh N8GNJ	<10> Des. & Cnstr. of AR Emerg. Sta. A. Carlson KB7VHI et al
L U N C H							
D A Y	2 PM	<11> Electron Constructn. E. Hoyt WX7E	<12> Trans. Lines E. Farmer AA6ZM	<13> ARRL Forum M.L. Brown NM7N	<14> Amateur Radio and the Internet Al Rovner K7AR	<15> Nghbrhd Emerg. Prep R. Kruml KB7JCP	
	3:45 PM	<16> Beginn. HF Station D. Hunt WB6BYU	<17> NVIS E. Farmer AA6ZM	<18> Amat. Satellites E. Krome K9EK	<19> A Remote-Controlled Amateur Radio Station Garth Hitchens KG7GA	<20> DFing in Ham Bands for S&R C. DiPaolo W7EXH	
S U N D A Y	9:30 AM	<21> Amplifr Design P. Buller W7RQT	<22> Heard Island DXpedition M. Mraz N6MZ	<23> Ground Systems S. Morris K7LXC	<24> HF Dig. Communicatn J. Forrer KC7WW	<25> (RPT) Intro to Packet K. Wilhelmi N7QQI	<26> Ham Oprs & Equipt in S&R T. Hyers KB7LY
	11 AM	<27> Astron. & Amat. Radio S. Mikalow K7OOZ	<28> Global Positioning System Gordon West WB6NOA		<29> (Writing) C. Wall KA7ITT	<30> DSP Basics C. Uyeda KJ6HC	<31> ARES Emergency Planning A. Vandewrkr KE6HML

LEGEND: S = Screen O/H = Overhead Proj. Sl = Slide Proj. Cb = Chalkboard
V = VCR & Monitor VGA = Comptr-to-O/H Proj. Interfc. M = Mic & PA.
P = Projector Stand T = Tel Line.

FIELD DAY REVISITED

WB7SIC

One Field Day I will never forget occurred in the mid 80's. We had a great Friday nite weiner roast and enjoyed a rip roaring campfire social. Came bed time I crawled into my utility trailer and let the lid down. Had'nt got into the real trailer bit yet. Sometime in the wee hours, Sue, N7EPE, tippy-toed by and latched down the lid on my bedroom. I woke up about 4:00 am and had to visit a bush. visit a nearby tree, or whatever. On awakening, I , forgetting where I was, bumped my head on the lid. Then I found out it was locked!! Well, no flashlight, no tree and no way out was'nt the end of the world. If all else failed--BUT--if the trailer was'nt level, which was the low end? Ah yes! there were several bottles in there. That is what caused the problem to begin with. No flashlight and small necked bottles combined with a three foot ceiling height made for quite an interesting challenge. In the process I did find out where the low end was and fortunately it was away from my pillow. When the roosters started crowing the guilty party came over and unlocked my bedroom. I did'nt let on I knew anything about what happened. I slept in!! If there is a moral here, you figure it out. CU at Field Day!!!

FIELD DAY REVISITED

Again?

Yup! One more short story dredged up from a failing memory bank. This one also deals with an event occuring sometime in the mid 80's. Don't recall if the incident was during set-up or takedown but it doesn't make any difference. The characters are the same. I was strolling over to our beer truck (we had a big empty truck for a station) and saw one of our towers, which was cranked down to 20 feet, with Ray Deeth, K7VDQ, about a third of the way up it. He was a pretty smart guy, or so I thought, as he had his safety belt strapped to the tower. About the same time I noticed one of the stakes wiggling. Now an opportunity like this occurs only rarely for someone who likes to take pictures. In the very short time it took to make a decision whether to warn Ray or to run and get my camera, the stake pulled out and the whole shebang went over and down. Fortunately, the tower was'nt damaged. Oh, and neither was Ray but there was two big dents in the soft ground. No, one of them was'nt caused by the tower. It looked similar to what you leave after sitting in the snow. Some say that Ray has'nt been quite the same since. That may be true as that was a pretty hard blow to the area of the body that controls some peoples behavioral activity. What was my decision? What was my decision? Hey, that was a long time ago. I don't remember!! If there is a moral to this one it might be that if you are going to fly the plane, you had better supervise the ground crew. Come to FD and create your OWN memories!!!!

OTVARC Club Contacts

OTVARC Executive Board

President	Betty Mickley	N7REX	642-1284
Vice President	Jim Schaeffer	KB7ADH	245-2518
Secretary	Dale LeBarron	W7FBP	638-7768
Treasurer	Hanford Van Ness	KE7BB	246-7975
Trustee	Jack Smithson	KA7HOJ	646-1873
Trustee	Will Sheffield	N7THL	642-7314
Trustee	Janet Bell	WB7FJC	648-4147
Trustee	Al Berg	WB7SIC	640-5456
Trustee	Stan Griffiths	W7NI	649-0837

Other Club Contacts

ARRL Coordinator	Bob Orr	WF7Q	472-2716
Bunny Hunting	OPEN		
Contesting	OPEN		
DX News	Rich Jones	KG7FS	645-9417
Equipment Valuation	Randy Stimson	KZ7T	297-1175
Equipment Trustee	Al Berg	WB7SIC	640-5456
Emergency Services	J.D. Fort	KC7EHT	629-8050
Field Day	Carl Clawson	WS7L	629-5796
Health & Welfare	Mary Berg	N7TRW	640-5456
Historian	Al Berg	WB7SIC	640-5456
Member Badges	Carl Clawson	WS7L	629-5796
Newsletter Editor	Dale LeBarron	W7FBP	638-7768
Newsletter Layout	Dale LeBarron	W7FBP	638-7768
Newsletter Distribution	Al Berg	WB7SIC	640-5456
Nominating Committee	OPEN		
Packet - Club BBS	Rick Braun	KB7OGD	645-1490
Project Night	Alan Chinnoek	KB7POR	636-2237
	Chuck Mickley	KI7CL	652-1284
Public Relations	Bill Merwin	N7VZF	644-1974
Public Service	Randy Stimson	KZ7T	297-1175
Repeater	Wes Allen	K7WWG	649-3295
RFI & TVI	Dale Mosby	K7FW	640-0217
Satellites	Dick Emmel	W7KJZ	245-1928
Scholarship	Carl Clawson	WS7L	629-5796
Sea-Pac	Al Berg	WB7SIC	640-5456
"	Brad Beach	N7NVC	657-1781
"	Jim Schaeffer	KB7ADH	245-2518
"	Randy Stimson	KZ7T	297-1175
Social	Geno Buell	KA7KBH	614-0563
Technical Specialist	Stan Griffiths	W7NI	649-0837
Tower Ordinances	Greg Milnes	W7AGQ	648-6990
Trailer	Dee Lynch	KA7NPN	646-4580
Training(code)	Burt Rooke	KI7JX	241-2891
Training(Novice/Tech)	Burt Rooke	KI7JX	241-2891
Training(upgrade)	OPEN		
VE Test Group	Gerry Villhauer	WA0UCQ	693-7222
VHF/UHF	Arnold Jensen	N7YAG	543-3713

OTVARC Club Information

Purpose: The Oregon Tualatin Valley Amateur Radio Club, a Not-for-profit corporation, wants to be instrumental in helping the prospective as well as established Amateur to become a proficient communicator in the Amateur Radio Service.

Additionally, the intent is to promote the advancement of Amateur Radio Service, through the following five objectives:

1. Education & Training of new and licensed Amateurs.
2. Public Service during public events & community activities.
3. Emergency communications during emergencies & disasters.
4. Hobby enhancement through meetings, nets & contests.
5. Social contact with other amateurs & interested persons.

Special Service Club: OTVARC is an ARRL Special Service Club. The ARRL grants us this distinction due to our participation in emergency preparedness exercises, public service events and other service-oriented programs. In addition, continuing educational and training programs are conducted for FCC licenses. OTVARC benefits from you joining the ARRL through OTVARC. To join or renew your membership in the ARRL, contact the treasurer at any regular meeting.

Newsletter: The *OTVARC Oscillator* is the club newsletter. It is published monthly and is usually mailed on the first of the month. The opinions, views, and recommendations of its contributors are not necessarily those of the club, its officers, advertisers or the editorial staff.

Correspondence: All correspondence may be sent to OTVARC, PO Box 5132, Aloha, OR 97006-0132.

Advertising: Classified ads are free to all paid up members. Display ads are available to approved commercial interests. To place an ad, mail your camera ready copy to the address above and indicate the size desired. All display ads run for six months at a time, from January through June and July through December. All ads must be paid for in advance. Rates for 1994 are as follows:

Full page	8" X 10"	\$200 for six months
Half page	8" X 5"	\$125 for six months
Qtr page	4" X 5"	\$75 for six months
Bus. Card	2" X 3"	\$35 for six months

Meetings: We have two meetings per month. The board meeting is on the fourth Wednesday of each month. All club business is conducted at this meeting. All members are welcome to attend. Contact the President for location and time. The general meeting is on the second Wednesday of each month at the Beaverton Elks Lodge, 3500 SW 104th Ave. (1 block north of Canyon Road). Meetings start at 7PM. If you would like to come early, you can get a nice meal from the Elks for less than \$6.00.

Membership: OTVARC is open to anyone who is interested in amateur radio. You do not need to be a licensed radio amateur to join. Dues are as follows: Full member, \$10/yr. Associate member (non-licensed), \$10/yr. Family members of full member, \$5/yr. Life memberships available - see the Treasurer. Only full members and life members may vote on club business and serve as club officers. All memberships expire on the last day of the calendar year. If you would like to join during the year, see the club treasurer for prorated dues.

How to join: Simply mail the Membership application and/or renewal form along with your dues to the address above.

Internet Home Page: WWW.EASYSTREET.COM/OTVARC

WORLDWIDE DISTRIBUTION



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Manager
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 SeaPac Flea Market is a service to those with used ham gear to sell or trade Table renters with new equipment on their tables may be asked to remove the new equipment if a Commercial (Main Floor Booth) Exhibitor objects

PLEASE ALLOW 4 WEEKS FOR RECEIPT OF TICKETS

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- _____ Registrations at \$6.00 ea. (\$8.00 at the door) \$ _____
- _____ Teens Convention Registration at \$2.00 ea. (No Awards) .. \$ _____
- _____ Children 12 and under FREE
- _____ Used Equipment Flea Market Tables (No Dealer Sales) \$ _____
 (\$14 per table per day or \$20 per table for 2 days)
- _____ Saturday YLRL Lunch at \$12.00 (50 person limit) \$ _____
- _____ Saturday QCWA Lunch At \$12.00 (75 person limit) .. \$ _____
- _____ Saturday Banquet Salmon Dinner at \$20.00 \$ _____
- _____ Saturday Banquet Prime Rib Dinner at \$20.00 \$ _____

100 Person Limit

Total . . . \$ _____

NOTE: Flea Market Participants must be registered for the convention

Registration Questions
 Brad 503-657-1781

Name _____ Call Sign _____

Address _____

City _____ State _____ Zip _____ Phone _____

NICKNAME & CALL SIGN FOR REGISTRATION BADGE (Please Indicate Children: (C) Please Print) 8

OTVARC
 OREGON TUALATIN VALLEY A.R.C.
 PO Box 5132
 ALOHA, OR 97006-0132

ADDRESS CORRECTION REQUESTED

